

30. (New) The transgenic mouse according to claim 28, wherein the vitamin E deficiency phenotype comprises a failure of pregnant females to maintain pregnancy as assayed by the fetal resorption-gestation test.

31. (New) The transgenic mouse according to claim 27, wherein the knockout allele comprises an inserted marker gene.

32. (New) The transgenic mouse according to claim 28, wherein the knockout allele comprises an inserted marker gene.

33. (New) A method for producing the mouse according to claim 27, comprising:

(a) inserting a mouse embryonic stem cell into an embryo taken from a pregnant female to form a chimeric embryo, wherein the embryonic stem cell comprises a knockout allele of the genomic  $\alpha$ -TTP gene, and wherein expression of  $\alpha$ -TTP from the knockout allele is inhibited such that transgenic mice homozygous for the knockout allele exhibit a vitamin E deficiency phenotype;

(b) transferring the chimeric embryo into the uterus of a pseudopregnant female; and

(c) allowing the embryo to undergo full fetal development to term to obtain the mouse according to claim 27.

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Amended

34. (New) A method for producing a transgenic mouse homozygous for a knockout allele of the genomic  $\alpha$ -TTP gene, wherein expression of  $\alpha$ -TTP from the knockout allele is inhibited, and wherein the transgenic mouse exhibits a vitamin E deficiency phenotype, wherein the method comprises:

- (a) crossing two mice obtained from the method of claim 33; and
- (b) screening the progeny obtained from the cross to identify a non-human mammal homozygous for the knockout allele.--

### REMARKS

Reconsideration of this application is respectfully requested.

With entry of this Amendment, claims 27-34 are pending in this application.

Support for the claim amendments is found throughout the specification; particular nonexhaustive examples of support for the added claims can be found at the locations indicated in the following table. Thus, the new claims are supported by the specification and no new matter is added. Applicants respectfully submit that entry of this amendment is therefore proper.

CLAIM	SUPPORT IN SPECIFICATION
27	Page 4, lines 6-20; page 5, lines 13 – page 8, line 17.
28	Page 4, lines 6-20; page 5, lines 13 – page 8, line 17; page 17, lines 24-26.
29	Page 20, line 9 – page 21, line 32.
30	Page 20, line 9 – page 21, line 32.
31	Page 6, lines 4-6.
32	Page 6, lines 4-6.
33	Page 4, lines 6-20; page 5, line 13 – page 8, line 17.
34	Page 4, lines 6-20; page 5, line 13 – page 8, line 17.

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